

EE-002233-0809-01 TTO

Form Effective Date: July 2005

Project Name <b>Burlington Hill</b>	Project Code <b>102Z</b>	Method of Shipment/Carrier <b>Fed Ex</b>	Airbill Num
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Account Code <b>2006-6560-0</b>	EPA Project Manager/phone number <b>Andy Smith - 206 553 1750</b>	Check all that apply <input type="checkbox"/> Enforce/Custody <input type="checkbox"/> Possible Toxic/Ha
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Sampler Names (Print & Sign). Mark (R) after name of principal recorder.

**Julie Wohle R**  
**Julie Wohle**

If applicable, circle the set of selected metals:

Al	Sb	As	Ba	Be
B	Cd	Ca	Cr	Co
Cu	Fe	Pb	Mg	Mn
Mo	Ni	K	Se	Ag
Na	Sn	Tl	V	Zn

(see reverse for more to add/circle)

Matrix Codes:

10 Water/Liquid (Total)  
20 Water/Liquid (Filtered)  
40 Sediment/Soil/Solid/Bulk  
70 Tissue  
80 Oil/Solvent  
44 Air filter  
42 Wipe/Swab<sup>1</sup>  
00

<sup>1</sup> PCB wipe is to be 10cm x 10cm (100 cm<sup>2</sup>)

#C enter the number of containers for each preservative type followed by the appropriate preservation code P:

A - HCl  
B - HNO<sub>3</sub>  
C - NaOH  
D - H<sub>2</sub>SO<sub>4</sub>  
E - Na<sub>2</sub>S<sub>2</sub>O<sub>3</sub>  
F - ascorbic acid<sup>2</sup>, then HCl  
G - Na<sub>2</sub>S<sub>2</sub>O<sub>3</sub>+EDTA  
H - EDTA  
N - No chemical preservation  
P - Bottles pre-preserved at lab  
T - To be preserved at the lab  
<sup>2</sup>Na<sub>2</sub>S<sub>2</sub>O<sub>3</sub> if required by plan.

W -  
☐ Check here if the cooler is iced

Enter the letter or range of letters on each container for each group of containers with the same preservative type. Each container for each unique sample number must have a unique letter on it.

Laboratory: see the applicable specific methods and detection, re

Organics (see reverse)	Metals (see reverse)
VOC	Mercury
BNP	Selected
Pest	
PCB	
PAH	
CLP	

Sampler's comments for the laboratory:

**CARB 435 with Field of View**  
**contact Julie Wohle at 206 553 1079 w/ Q's.**

EPA Sample number			Sampling Date & Time				Matrix	#C	P	#C	P	#C	P	#C	P	Sampler Initials	Sample/Station Description/Field Measurements
Yr	Wk	Sequence	Yr	Mo	Day	Time	①	②	③	④	⑤	⑥	⑦	⑧	⑨		
12	09	0102	12	09	26	1110	HD									AW	Location 1 - West
12	09	0104	12	09	26	1119	HD									AW	Location 1 - Middle
12	09	0105	12	09	26	1126	HD									AW	Location 1 - East
12	09	0107	12	09	26	1152	HD									AW	Location 2 - Along driveway
12	09	0109	12	09	26	1202	HD									AW	Location 2 - West of Garage
12	09	0111	12	09	26	1233	HD									AW	Location 3 - North End Quarry
12	09	0112	12	09	26	1243	HD									AW	Location 3 - South End Quarry
12	09	0114	12	09	26	1308	HD									AW	Location 4 - North End
12	09	0115	12	09	26	1313	HD									AW	Location 4 - South End

Chain of Custody Record

Relinquished by (Signature) <b>[Signature]</b>	Date <b>9/27/12</b>	Time <b>9:52AM</b>	Received by (Signature)	Date	Time
Relinquished by (Signature)	Date	Time	Received by (Signature)	Date	Time
Relinquished by (Signature)	Date	Time	Received by Mobile Lab for Field Analysis (Signature)	Date	Time
Shipped by (Signature)	Date	Time	Received for lab by (Signature)	Date	Time

Receiving Laboratory Information

Custody Seals Intact: ☐ yes

Distribution: White - Laboratory Copy; Yellow - Regional Sample Control Center

Leachate 50 Sludge 60 Air

in use at the EPA Region 10 Laboratory. Pick the matrix code  
ix. If in the opinion of the sampler, the sample matrix needs to  
nd write in a matrix description. Remember, tissue can be

d, cross out one of the pre-printed analyses and write in  
olded analyte symbol/abbreviation (some analyses are not

e form:

carbons (these are a subset of the compounds reported from GC-  
LC or SIM-GC/MS methods are usually requested in order to get  
chlorine Pesticides PCB Polychlorinated Biphenyls aka  
organic compounds BNA (aka SVOC or SVOA) - semivolatile

n in:

prominated hydrocarbons) Butyltins Butyltins (mono, di, tri,  
inated Biphenyl Congener analysis Chlor Hyd. Chlorinated  
Gua/Cat Guaiacols/Catechols scan Herb Herbicides OP Pest  
BDE Polybrominated diphenylethers Resin Acids TPH-Dx  
sel range TPH-Dx-ext Total Petroleum Hydrocarbons, diesel  
-Gx Total Petroleum Hydrocarbons, gasoline range TPH-HCID  
ntification THMs Trihalomethanes

orm (underlined = 'CLP metals' - mercury must be

senic Ba barium Be beryllium B boron Cd cadmium  
alt Cu copper Fe iron Pb lead Mg magnesium  
nickel K potassium Se selenium Ag silver Na sodium  
Zn zinc

n and then circled under the box used for

S:

um Mo molybdenum Sr strontium Ti titanium W tungsten

alyzed for on matrices other than soil/sed or water.

printed on the form:

rm Fecal Coliform T. Coliform Total Coliform

can be written in:

articulate Analysis for Determining GWUDI  
lphage Staph a Staphylococcus aureus

ching Procedure (TCLP) write in analyses<sup>3</sup>:

erbicides TCLP met+Hg TCLP metals including mercury  
ing mercury TCLP Hg TCLP mercury TCLP Pest TCLP

ucted for analytes with a TCLP regulatory criteria.

General analyses pre-printed on the form:

BOD Biochemical Oxygen Demand NO<sub>2</sub>+NO<sub>3</sub> Nitrite plus Nitrate Oil & Grease TDS Total  
Dissolved Solids TSS Total Suspended Solids

General analyses that can be written in:

Acidity Alk Alkalinity TNH3 Ammonia HCO<sub>3</sub> Bicarbonate Br Bromide CO<sub>3</sub> Carbonate COD  
Chemical Oxygen Demand Cl Chloride Color Color Cond Conductivity CN Cyanide CN-  
W&D Cyanide, weak & dissociable Flash Flash Point F Fluoride Grn Siz Grain Size Hard  
Hardness NO<sub>2</sub> Nitrite NO<sub>3</sub> Nitrate TNVS Non-Volatile Solids NVSS Non-Volatile Suspended  
Solids CLO<sub>4</sub> Perchlorate pH Phenol Phenolics SiO<sub>2</sub> Silica - dissolved SO<sub>4</sub> Sulfate S Sulfide  
TOC Total Organic Carbon TS Total Solids % V Sids % Volatile Solids TVS Volatile Solids  
TVSS Volatile Suspended Solids SetSids Settleable Solids % Tot % Total Solids TKN Total  
Kjeldahl Nitrogen T-Phos Total Phosphorous D-Phos Dissolved Phosphorous O-Phos Ortho  
Phosphorous D-O-Phos Dissolved Ortho Phosphorous Turb Turbidity

Container guidance.

Note: this is general information only - consult the QA Project Plan on appropriate containers and  
preservatives for each project. Modifying methods may require modifying the number/type of  
containers. Freezing samples for one or more analyses may require collection of individual  
containers. Contact the laboratory for minimum sample volumes in situations where sample  
material is limited. Minimum volumes required for analysis will depend on the analysis and  
required reporting limits.

Containers for soil/sediment:

Metals/cyanide/mercury: 1, wide mouth 8 ounce glass or HDPE.

Extractable organics: 1, 8 ounce wide mouth amber glass, for one or two analyte groups

Inorganics and organics: 1, sixteen ounce wide mouth amber glass.

VOAs/purgeables: Contact the laboratory for the proper number/type of special Closed-System  
sample containers.

Containers/chemical preservatives for water<sup>4</sup>:

Metals/regular mercury: 1, one liter HDPE, HNO<sub>3</sub> to pH<2

Mercury by method 1631: HCl and 250 mL containers provided by MEL

Cyanide: 1, 250 mL or larger HDPE, remove sulfides and/or residual chlorine then add NaOH to  
pH>12

Extractable organics (BNA, Pest, PCP, PAH etc.): two, one liter amber glass containers for each  
analysis - if more than one liter will be extracted for the project, it is advisable that the container  
size match (but not exceed) the volume to be extracted. Two separate volumes are usually  
collected for each analysis to allow for re-extraction if needed.

VOAs/purgeables: 3, zero headspace 40 mL amber glass vials with Teflon Septa, remove residual  
chlorine then add HCl to pH<2

Alkalinity: 1, 250 mL or larger HDPE, no extra volume for lab QC

Ammonia: 1, 250 mL or larger HDPE, H<sub>2</sub>SO<sub>4</sub> to pH<2, no extra volume for lab QC

BOD 5: 1, one gallon HDPE, no extra volume for lab QC

TSS: 1, one liter or larger HDPE, no extra volume for lab QC

TDS: 1, 250 mL or larger HDPE, no extra volume for lab QC

Oil & Grease: 1, one liter clear glass, HCl to pH<2, submit 4 separate containers for the lab QC  
sample

NO<sub>2</sub>+NO<sub>3</sub>: 1, 250 mL or larger HDPE, H<sub>2</sub>SO<sub>4</sub> to pH<2, no extra volume for lab QC

Br, Cl, F, SO<sub>4</sub>, CLO<sub>4</sub>: for analysis by ion chromatography, 1, 100 mL or larger HDPE, no extra  
volume for lab QC

<sup>4</sup> Water samples to be designated for lab QC should have double volume submitted for metals,  
triple volume for organics. In general, extra volume is usually not required for lab QC for soil/  
sediment.